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PATENT

Attorney Docket No.: 020444-000110US

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Commissioner for Patents
P.O. Box 1450
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Luke V. Schneider, et al.

Divisional of Application
No.: 09/513,907

Filed: February 25, 2000

For: POLYPEPTIDE
FINGERPRINTING METHODS AND
BIOINFORMATICS DATABASE
SYSTEM

Examiner: Young J. Kim

Art Unit: 1637

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/513,907, filed February 25, 2000 (Attorney Docket No. 020444-000100US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	Divisional of 09/513,907	
			Filing Date	February 25, 2000	
			First Named Inventor	Schneider, Luke V.	
			Art Unit	1637	
			Examiner Name	Young J. Kim	
Sheet	3	of	4	Attorney Docket Number	020444-000110US

U.S. PATENT DOCUMENTS ⁺					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,994,165	02/19/91	Lee, <i>et al.</i>	
	AB	4,842,701	06/27/89	Smith, <i>et al.</i>	
	AC	5,306,412	04/26/94	Whitehouse, <i>et al.</i>	
	AD	5,505,832	04/09/96	Laukien, <i>et al.</i>	
	AE	5,856,082	01/05/99	Aebersold, <i>et al.</i>	
	AF	5,872,010	02/16/99	Karger, <i>et al.</i>	
	AG	5,985,121	11/16/99	Wu, <i>et al.</i>	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
								<input type="checkbox"/>
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AH	Mann and Wilm, "Error-Tolerant Identification of Peptides in Sequence Databases by Peptide Sequence Tags", <i>Anal. Chem.</i> , 66 (24) 4390-4399 (December 15, 1994)	
	AI	Wu, <i>et al.</i> , "Fluorescence imaging detection for capillary isoelectric focusing," <i>Electrophoresis</i> , 16 (8):1474-1478 (1995)	
	AJ	Jensen <i>et al.</i> , "Sequence patterns produced by incomplete enzymatic digestion or one-step Edman degradation of peptide mixtures as probes for protein database searches", <i>Electrophoresis</i> , 17 :938-944 (1996)	
	AK	Wilkins <i>et al.</i> , "Protein identification with sequence tags", <i>Current Biology</i> , 6 (12):1543-1544 (1996)	
	AL	Wilkins <i>et al.</i> , "Rapid Protein Identification Using N-Terminal "Sequence Tag" and Amino Acid Analysis", <i>Biochemical and Biophysical Research Communications</i> , 221 : 609-613, (1996) Article No. 0643	
	AM	Neubauer, <i>et al.</i> , "Identification of the proteins of the yeast U1 small nuclear ribonucleoprotein complex by mass spectrometry," <i>Proc. Natl. Acad. Sci. USA</i> , 94 :385-390 (1997)	

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	AN	Tang, <i>et al.</i> , "Two-dimensional analysis of recombinant <i>E. coli</i> proteins using capillary isoelectric focusing Electrospray ionization mass spectrometry," <i>Analytical Chemistry</i> , 69 :3177-3182 (1997)						
	AO	Wilkins et al., "Protein Identification with N and C-Terminal Sequence Tags in Proteome Projects", <i>J. Mol. Biol.</i> , 278 : 599-608 (1998)						
	AP	Li, G., <i>et al.</i> , "Improvements on sample handling for rapid mass spectrometric identification of proteins resolved by 2D gel electrophoresis," <i>Book of Abstracts</i> , 213th ACS National Meeting, San Francisco, pgs. 13-17 (April 1997)						
	AQ	Escoubas, <i>et al.</i> , "Multidimensional peptide fingerprinting by high performance liquid chromatography, capillary zone electrophoresis and matrix-assisted laser desorption/ionization..." <i>Rapid Communications in Mass Spec.</i> , 12(16) :1075-1084 (1998)						

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